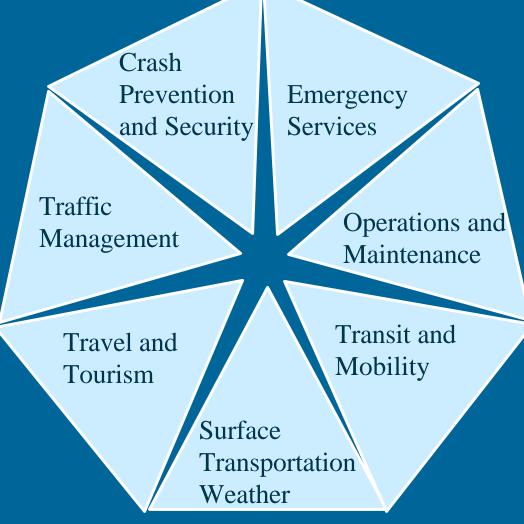
## Technology Focus Areas



Source: Rural ITS User Needs, 1999

## Crash Prevention & Security

- Collision Avoidance
- Roadway Geometrics
- Roadway Weather Information Systems
- Work Zone Control/Advisory System



## Crash Prevention & Security (Cont)

### **More User Needs**

- Highway-Rail Intersection Crossings
- Vehicle Pre-Emption
- Security
- Data Sharing



## Emergency Services

- Response Information
- En-Route Services Information
- Emergency Assistance
- System Operational Effectiveness



## Traffic Management

### **User Needs**

Advisory Information

Traffic Control



# Traffic Management (Cont)

#### **More User Needs**

Enforcement

Economic Development/Environmental

Protection

Data Sharing



## Transit & Mobility

- Transit Management
- Traveler Information



## Transit & Mobility (Cont)

#### **More User Needs**

- Electronic Fare Payment
- Data Sharing
- System Operational Effectiveness



## Operations & Maintenance



- Infrastructure Management
- Roadway Condition Monitoring
- Safety Management
- System Maintenance Effectiveness

## Operations & Maintenance (Cont)



#### **More User Needs**

- System Operations Effectiveness
- Security
- Public Fleet Management
- Data Collection & Sharing

## Travel & Tourism

- Advisory Information
- En-Route Services Information
- Emergency Assistance



## Tourism & Travel (Cont)

#### **More User Needs**

- Transit Information
- Economic Development
- Data Sharing



Source: Rural ITS User Needs, 1999

## Surface Transportation Weather

- Advisory Information
- System Operational Effectiveness
- En-Route Services Information
- Leveraging Weather Information to Cost Containment, Profitability & Safe Operations/Travel
- Data Sharing